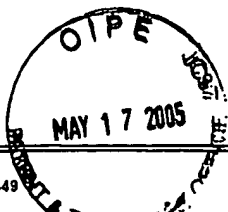


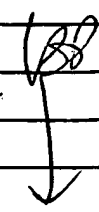
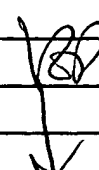
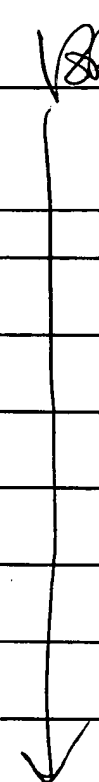
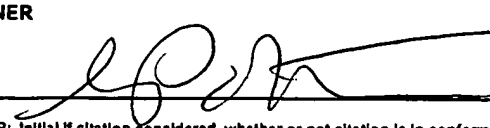
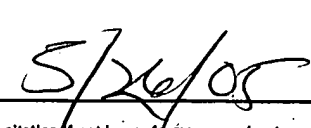


Form PTO-1449		Docket No.: D2939-CIPCONDIV4		Application No.: 10/729,039		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Williams		Filing Date: December 5, 2003		
		Group Art Unit: 1645				
U. S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VBS	5310663	05-1994	Dobeli et al.			
	5565334	10-1996	Kufe et al.			
	5874415	02-1999	Kufe et al.			
	5919665	07-1999	Williams			
	5955368	09-1999	Johnson et al.			
	6022950	02-2000	Murphy			
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
VBS	0209281	01-1987	EP			
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VBS	AA	Ford et al., (1991) Protein Expression & Purification, 2:95-107				
	AB	Kimura et al., (1991) Applied & Enviro Microbio, 57(4):1168-72				
	AC	TaKaRa Shuzo Co. Catalog of TAKARA BIO INC at the web site: bio.takara.co.jp				
	AD	Nassau et al., (1996) J. Bacterio, 178(4):1047-52				
	AE	Hill et al., (1996) Arch. Biochem. and Biophys. 336(2):283-9.				
	AF	Crowe et al., (1994) Methods in Molecular Biology, 31:371-387.				
	AG	Fuji et al. (1988) Appl. Environ Microbiol, 54(1):69-73.				
	AH	Kurazono., (1992) Journal of Biological Chemistry, 267(21):14721-14729.				
	AI	Mochida (1990) PNAS (USA), 87:7844-8.				
	AJ	Young (1989) FEMS Microbiology Reviews, 63:301-25.				
EXAMINER		DATE CONSIDERED				
[Signature]		5/12/08				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

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	AK	Syuto (1981) Journal of Biological Chemistry, 256(8):3712-17.			
	AL	Aktories et al., (1987), Biochem J 247(2):363-68 (abstract only)			
	AM	Ledoux et al., (1994), Toxicol, 32(9):1095-1103.			
	AN	Valderrama et al., (2000), PNAS, 97(4):1560-65.			
	AO	Poulain et al., (1989), J. Biol. Chem. 264(36):21928-33.			
	AP	Sathyamoorthy et al., (1985), J. Biol Chem. 260(19):10461-10466			
	AQ	Pascchnik et al., (1993) Bioseparation 3:267-283			
	AR	DiBello et al., (1994), European J of Biochem/FEBS(Germany), 219(1-2):161-9			
	AS	Niemann et al. (1991), Behring Inst. Mitt. 89:153-62.			
	AT	U.S. Application No. 08/704,159, filed 8/28/1996, Williams (Docket No. D2939-CIP) <i>N87</i>			
	AU	U.S. Application No. 10/271,012, filed 10/15/2002, Williams (Docket No. D2939-CIPCON) <i>807</i>			
	AV	U.S. Application No. 10/728,696, filed 12/05/2003, Williams (Docket No. D2939-CIPCONDIV01) <i>Patel</i>			
	AW	U.S. Application No. 10/729,122, filed 12/05/2003, Williams (Docket No. D2939-CIPCONDIV02) <i>Jace</i>			
	AX	U.S. Application No. 10/729,527, filed 12/05/2003, Williams (Docket No. D2939-CIPCONDIV03)			
AY	U.S. Application No. 11/001,241, filed 11/30/2004, Williams (Docket No. D2939-CIPCONCON)				
AZ	U.S. Application No. 10/354,774, filed 01/30/2003, Williams (Docket No. D2939-CIPCON2)				
BA	U.S. Application No. 10/727,898, filed 12/04/2003, Williams (Docket No. D2939-CIPCON2DIV)				
BB					
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	5,837,264	11/1998	Becker et al.				
	5,891,842	04/1999	Kream				
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	94/13264	06/1994	WO				
	94/21684	09-1994	WO				
	95/32738	12/1995	WO				
96/05222	02/1996	WO					
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	AA	Maisey et al., (1988) Eur. J. Biochem 177:683-691					
	AB	Rudinger, J. in Peptide Hormones, Parsons, J.A. (Ed.) Univ. Park Press, Baltimore, MD pp. 1-7.					
	AC	Roitt, I. Essential Immun., 6 th Edition, Blackwell Scientific Publications, Boston, MA, pp. 173-178.					
	AD	LeClerc, C. et al. J. Immunol. 144(8): 3174-3182					
	AE	Kleid, D.G. Annals NY Acad. Sci. 413:23-30.					
	AF	Siegel, L.J. Clin. Microbiol. 26: 2351-2356.					
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	6,395,513	05/2002	Foster et al.				
	6,444,209	09/2002	Johnson et al.				
	6,822,076	11/2004	Bilgalke et al.				
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						YES	NO
	EP 0 282 042	09/1988	Europe				
	EP 0 593 176	04/1994	Europe				
	GB 2 272 697	05/1994	Great Britain				
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	AG	Beitle et al., "One-step purification of a model periplasmic protein from inclusion bodies by its fusion to an effective metal-binding peptide", Biotechnology Progress, Vol. 9, pp 64-69 (1993).					
	AH	Kamiya et al., "Production of Monoclonal Antibody to Clostridium Difficile Toxin A Which Neutralizes Enterotoxicity But Not Haemagglutination Activity", FEMS Microbiology Letters, Vol. 81, pages 311-316 (1991)					
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	AJ	Coughlin et al., Characterization of six murine monoclonal antibodies specific for toxin B of Clostridium difficile", Hybridoma, Vol. 13, pages 147-152 (1994).					
	AK	Hochuli et al., "Generic approach to facilitate purification of recombinant proteins with a novel metal chelate adsorbent", Biotechnology, Vol. 6, pages 1321-1325 (1988).					
	AL	Lilius et al., "Metal affinity precipitation of proteins carrying genetically attached polyhistidine affinity tails", Eur. J. Biochem., Vol. 198, pages 499-504 (1991).					
	AM	Wiedemann et al., "Chicken egg antibodies for prophylaxis and therapy of infectious intestinal diseases", J. Vet. Med., Vol. 38, pages 283-291 (1991).					
	AN	Handl et al., High yield of active STb enterotoxin from a fusion protein (MBP-STb) expressed in E. Coli", Protein Expression and Purification, Vol. 4, pages 275-281 (1993).					
	AO	Von Eichel-Streiber et al., "Cloning of Clostridium difficile toxin B gene and demonstration of high N-terminal homology between A and B", Med. Microbiol. Immunol., Vol. 179, pp 271-279 (1990).					
AP	Kim et al, Characterization of protective antibodies in hamsters immunized against Clostridium difficile toxins A and B", Microbial Ecology in Health and Disease, Vol. 2, pp 47-59 (1989).						
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FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS
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	AQ	Zhou et al., "Expression and Purification of the Light Chain of Botulinum Neurotoxin A: A single mutation abolishes its Cleavage of SNAP-25 and Neurotoxicity after reconstruction with the Heavy Chain", Biochemistry, Vol. 34, No. 46, pages 15175-15181 (1995)			
	AR	Clayton et al., "Protective vaccination With a Recombinant Fragment of Clostridium Botulinum Neurotoxin Serotype A Expressed from a Synthetic Gene in E Coli", Infection and Immunity, Vol. 63, No. 7, pages 2738-2742 (1995).			
	AS	Schiavo et al., "Tetanus and Botulinum-B Neurotoxins Block Neurotransmitter Release by Proteolytic Cleavage of Synaptobrevin", Nature, Vol. 359, pages 832-835 (1992)			
	AT	Krieglstein et al., J. Protein Chem. 1994 Jan; 13(1):49-57.			
	AU	Hutson et al., FEMS Microbiol Lett. 1993 Mar 15; 108(1):103-10.			
	AV	Szabo et al., Appl Environ. Microbiol, 1993, 59(9):3011-3020.			
	AW	Minton et al., "Host: Vector systems for gene cloning in Clostridium", Microbiological Sciences, 5(10):310-315 (1988).			
	AX	Jung et al., "Cloning of a Clostridium botulinum type B toxin gene fragment encoding the N-terminus of the heavy chain", FEMS Microbiol. Lett., 70(1):69-72 (1992).			
	AY	Campbell et al., "Gene Probes for Identification of the Botulinal Neurotoxin Gene and Specific Identification of Neurotoxin Types B, E, and F", Jour. Clin. Microbiology, Vol. 31, No. 9, pages 2255-2262 (1993).			
	AZ	Hauser et al., "Nucleotide sequence of Clostridium botulinum C1 neurotoxin", Nucleic Acids Research, Vol. 18, No. 16, page 4924 (1990).			
BA	Mierendorf et al., "The pET System: Your choice for Expression", in Novations, Newsletter of Novagen, Inc., Vol. 1, No. 1, pp 1-3, May 1994.				
BB	Moberg et al., "Affinity Chromatography Purification of Type A Botulinum Neurotoxin from Crystalline Toxin Complex", Applied and Environ. Microbiology, Vol. 35, No. 5, pp 878-880 (1978).				
BC	Kimura K., English abstract: "The structure and function of botulinum type C neurotoxin", Hokkaido Igaku Zasshi [Article in Japanese], 1991 Nov; 66(6):841-8.				
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